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Authors: Qingyi Zeng, Lai Lyu, Yaowen Gao, Sheng Chang, Chun Hu

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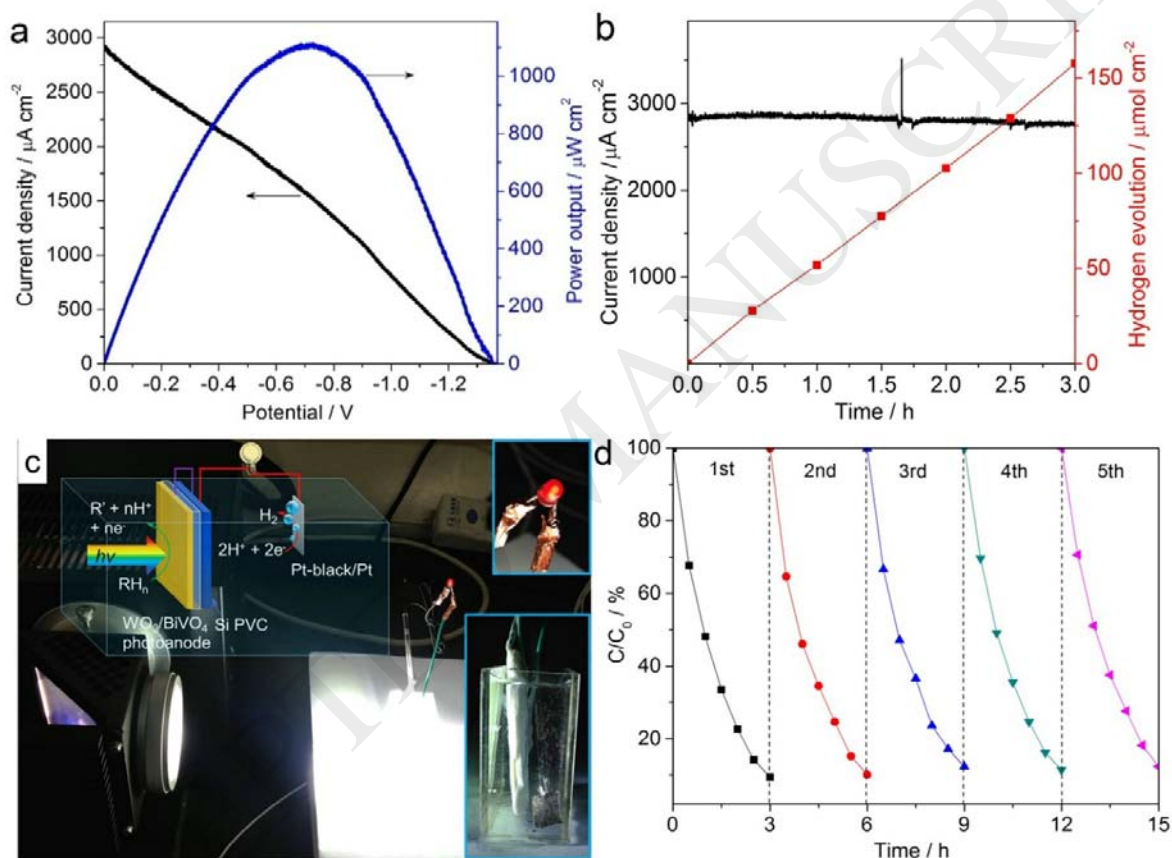
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# A self-sustaining monolithic photoelectrocatalytic/photovoltaic system based on $\text{WO}_3/\text{BiVO}_4$ photoanode and Si PVC for efficiently producing clean energy from refractory organics degradation

Qingyi Zeng, Lai Lyu, Yaowen Gao, Sheng Chang, Chun Hu\*

## Graphical abstract



A novel self-sustaining monolithic photoelectrocatalytic/photovoltaic (SMPP) system is constructed with a front FTO-glass-based  $\text{WO}_3/\text{BiVO}_4$  photoanode, a rear Si photovoltaic cell (PVC) and a counter Pt-black/Pt cathode for efficiently producing clean energy from refractory organics degradation.

\*Corresponding author: Tel: +86-20-39346609

E-mail: huchun@gzhu.edu.cn / huchun@rcees.ac.cn (C. Hu)

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